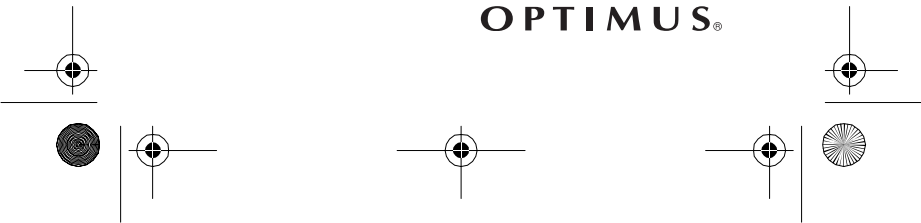


Cat. No. 14-1248
OWNER'S MANUAL

Please read before using this equipment.

SCP-100

sports **AM/FM Stereo
Cassette Player
with In-Ear Sportsbuds
and Safety Light**



FEATURES

Your Optimus SCP-100 AM/FM Stereo Cassette Player is lightweight, portable, and easy to operate. It delivers excellent sound through the supplied sports earbuds or through your speakers. It is packed together with an armband safety light (which can be mounted on a bicycle with the supplied mounting bracket) and includes these features:

All Weather Design — the sealed cassette compartment protects your tape from wind, dust, and rain.

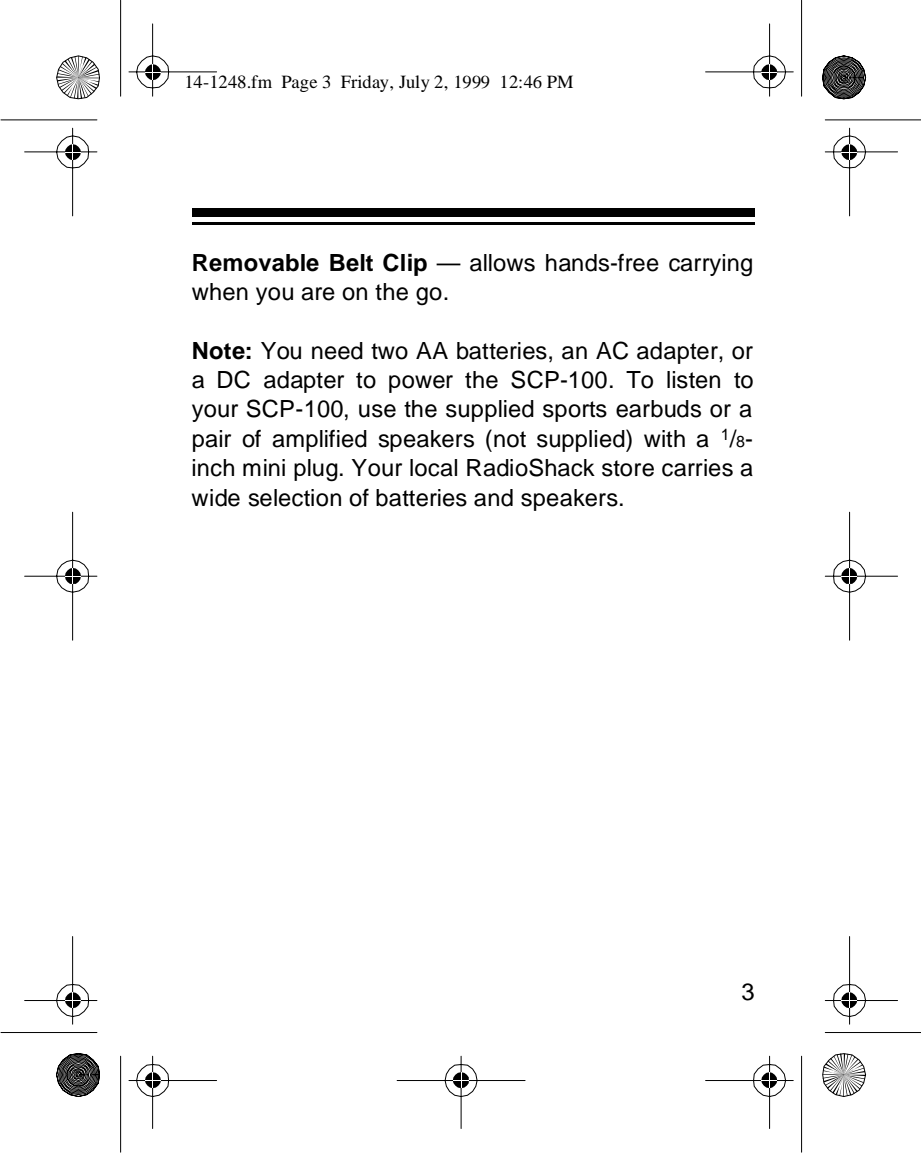
Auto-Stop — automatically stops tape playback at the end of a tape side to protect the tape-handling parts.

Bass Boost — provides richer, fuller bass sound.

Three Power Sources — let you power the SCP-100 from internal batteries, AC power, or vehicle battery power.

© 1998 Tandy Corporation.
All Rights Reserved.

Optimus and RadioShack are registered trademarks used by
Tandy Corporation.



Removable Belt Clip — allows hands-free carrying when you are on the go.

Note: You need two AA batteries, an AC adapter, or a DC adapter to power the SCP-100. To listen to your SCP-100, use the supplied sports earbuds or a pair of amplified speakers (not supplied) with a 1/8-inch mini plug. Your local RadioShack store carries a wide selection of batteries and speakers.

CONTENTS

Preparation	5
Connecting Power	5
Using Batteries	5
Using AC Power	7
Using Vehicle Battery Power	10
Connecting the Earbuds or Speakers	13
Listening Safely	14
Traffic Safety	14
Using the Belt Clip	15
Radio Operation	16
Cassette Operation	18
Playing a Cassette Tape	18
Tape Tips	21
Tape Quality	21
Restoring Tape Tension and Sound Quality	21
Personal Safety Light	23
Securing the Light on a Bicycle	24
Maintenance	26
FCC Information	29
Specifications	30

PREPARATION

CONNECTING POWER

Using Batteries

To power the SCP-100 with batteries, you need two AA batteries (not supplied). We recommend alkaline batteries, such as RadioShack Cat. No. 23-557.

Follow these steps to install batteries.

1. Pull up the black cassette compartment latch and pull open the cassette compartment door.

Illust.

2. Press the battery compartment cover's tab in the direction of the arrow and lift off the cover.

Illust.

3. Install the batteries as indicated by the polarity symbols (+ and -) marked inside the compartment, with both batteries over the ribbon.

Cautions:

- Use only fresh batteries of the required size and type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

4. Replace the battery compartment cover, then close the cassette compartment door and latch.

If the SCP-100 does not operate properly or if the sound becomes weak or distorted, replace the batteries.

Cautions:

- Always dispose of old batteries promptly and properly.
- Never leave dead, old, or weak batteries in the SCP-100. They can leak chemicals and corrode or damage electronic circuits.
- If you do not plan to power the SCP-100 with batteries for several days, or if you plan to power it using only an AC or DC adapter, remove the batteries to protect the SCP-100 from possible battery leakage.

Using AC Power

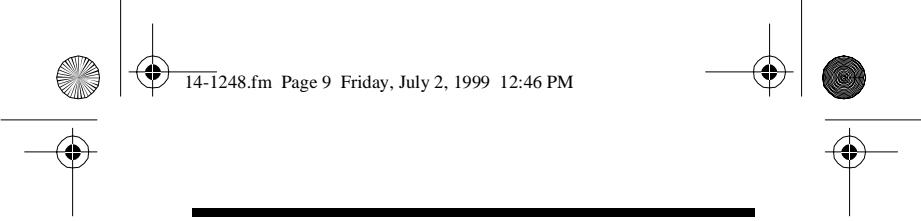
To power the SCP-100 with standard AC power, you need an optional AC adapter, such as RadioShack Cat. No. 273-1654.

Cautions:

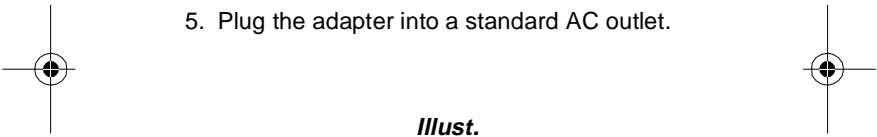
- The recommended AC adapter supplies 3 volts and delivers at least 250 milliamps. Its center tip is set to negative, and its barrel plug correctly fits the SCP-100's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the SCP-100 or the adapter.
- Always connect the adapter to the SCP-100's **DC 3V** jack before you connect it to the AC outlet. Then disconnect the adapter from the AC outlet before disconnecting it from the SCP-100.

Follow these steps to power the SCP-100 from a standard AC outlet.

1. Set the adapter's voltage switch to 3V.
2. Insert the adapter's 3.4 mm outer diameter/1.3 mm inner diameter barrel plug into the adapter's cord so it reads –TIP.
3. Pull out the attached rubber plug from the SCP-100's **DC 3V** jack.

- 
4. Insert the adapter's barrel plug into the SCP-100's **DC 3V** jack.

Illust.

- 
5. Plug the adapter into a standard AC outlet.

Illust.

Notes:

- Internal batteries (if installed) automatically disconnect when you plug the AC adapter into the SCP-100.

- Disconnect the adapter and reinsert the jack's rubber plug when you are not using the SCP-100.

Using Vehicle Battery Power

To power the SCP-100 from your vehicle's cigarette-lighter socket, you need an optional DC adapter, such as RadioShack Cat. No. 270-1560.

Cautions:

- The recommended DC adapter supplies 3 volts and delivers at least 250 milliamps. Its center tip is set to negative, and its barrel plug correctly fits the SCP-100's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the SCP-100 or the adapter.
- Always connect the adapter to the SCP-100's **DC 3V** jack before you connect it to the cigarette-lighter socket. Then disconnect the adapter from the cigarette-lighter socket before disconnecting it from the SCP-100.

Follow these steps to power the SCP-100 from your vehicle's cigarette-lighter socket.

Illust.

1. Set the adapter's voltage switch to 3V.
2. Insert the adapter's 3.4 mm outer diameter/1.3 mm inner diameter barrel plug into the adapter's cord with the tip set to negative (-).
3. Pull out the attached rubber plug from the SCP-100's **DC 3V** jack.
4. Insert the adapter's barrel plug into the SCP-100's **DC 3V** jack.
5. Plug the adapter into the vehicle's cigarette-lighter socket.

Notes:

- If the SCP-100 does not operate properly when you use DC power, be sure the cigarette-lighter socket is clean and that the adapter's plug is pushed all the way into the socket.
- Disconnect the adapter and reinsert the jack's rubber plug when you are not using the SCP-100.
- Internal batteries (if installed) automatically disconnect when you plug the adapter into the **DC 3V** jack.

CONNECTING THE EARBUDS OR SPEAKERS

To listen to your SCP-100, you need to connect the supplied sports earbuds or a pair of amplified speakers (not supplied) with a 1/8-inch mini plug.

Pull out the attached rubber plug from the SCP-100's **PHONES** jack, then plug in the earbuds' or speakers' 1/8-inch plug.

Illust.

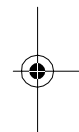
When you are not using your SCP-100 and earbuds or speakers are disconnected, insert the rubber plug back into the **PHONES** jack to protect against moisture and dust.



Listening Safely

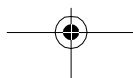
To protect your hearing, follow these guidelines when you use the earbuds.

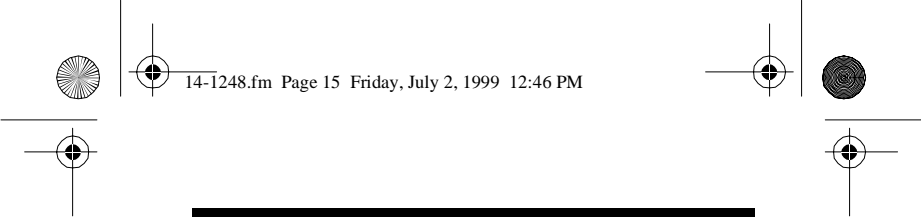
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.



Traffic Safety

Do not wear the earbuds while operating a motor vehicle or riding a bicycle. This can cause a traffic hazard and can be illegal in some areas.





Even though some earbuds are designed to let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

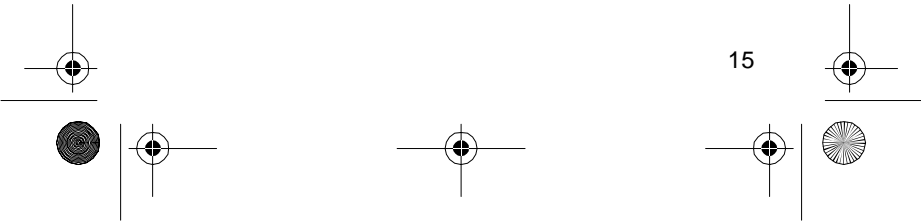
USING THE BELT CLIP

For hands-free carrying, slide the belt clip over your belt.

To remove the belt clip, use a Phillips screwdriver to loosen the screw holding the clip. Then lift off the clip.

Illust.

To replace the belt clip, position it as shown, put the tip of the screw back into the screw hole, and tighten the screw with a screwdriver.



RADIO OPERATION

Important: Make sure you have connected the sports earbuds or speakers to the SCP-100.

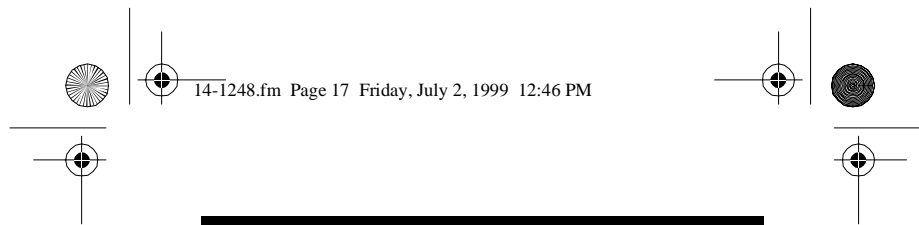
1. Set **RADIO OFF/TAPE/FM ST/AM** to **FM ST** or **AM** to turn on the radio.

Illust.

2. Turn **TUNING** to select the desired station.

Illust.

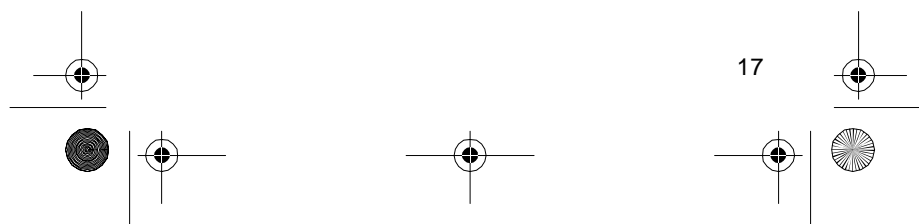
Note: The AM antenna is built-in. Rotate the cassette player to improve AM reception. For the best FM reception, fully extend the sports earbuds' or speakers' cord.



3. Adjust **VOLUME** to the desired listening level.
4. Set **BASS BOOST** to **ON** for an enhanced bass effect. Set it to **OFF** for normal bass sound.

Illust.

5. Set **RADIO OFF/TAPE/FM ST/AM** to **RADIO OFF/TAPE** to turn off the radio.



CASSETTE OPERATION

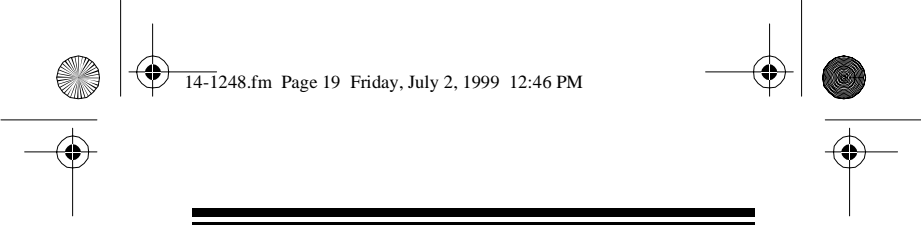
PLAYING A CASSETTE TAPE

1. Take up any slack in the tape by turning the cassette's hub with a pencil. Do not touch the exposed tape.

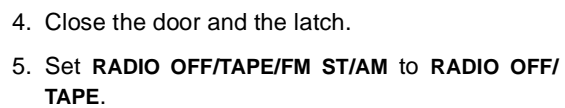
Illust.

2. Pull up the cassette compartment latch and pull open the door.

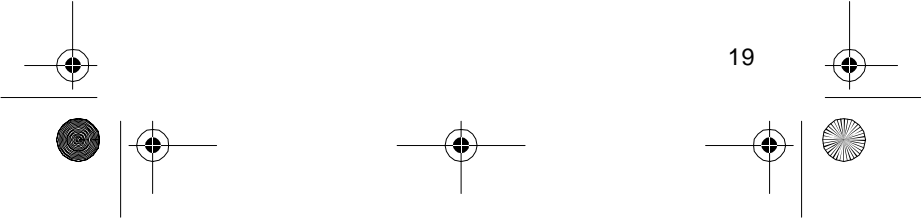
Illust.

- 
3. With its open edge facing up and the full reel to the left, insert the cassette tape into the cassette guide.

Illust.

- 
4. Close the door and the latch.
5. Set **RADIO OFF/TAPE/FM ST/AM** to **RADIO OFF/TAPE**.
6. Press **PLAY** to start play.

Illust.

7. Adjust **VOLUME** to the desired listening level.
- 

8. Set **BASS BOOST** to **ON** for an enhanced bass effect. Set it to **OFF** for normal bass sound.
9. To stop playback, press **STOP**.

Illust.

Notes:

- The SCP-100 automatically stops when the tape reaches the end of that side during playback.
- To advance the tape quickly, Press **F.FWD**. The button locks down, and the tape fast forwards until you press **STOP**. To rewind that side of the tape, turn the tape over and press **F.FWD**.

TAPE TIPS

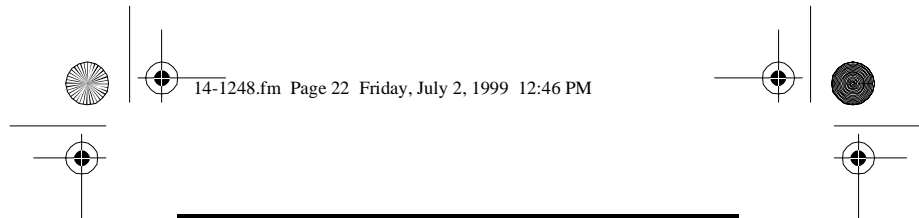
Tape Quality

For the best performance, use only regular length (60- or 90-minute) cassette tapes. We do not recommend long-playing cassette tapes, such as C-120s, because they are extremely thin and can easily tangle in the playback mechanism.

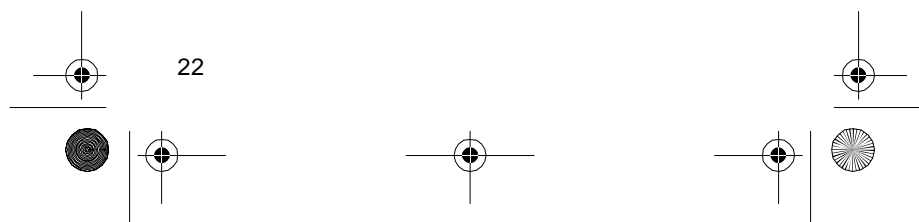
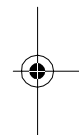
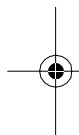
Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then turn it over and completely fast-forward the other side. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.



Caution: Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.



PERSONAL SAFETY LIGHT

The personal safety light is a bonus packed together the SCP-100. If you are a walker, runner, or a cyclist, carry it so you can be seen thousands of feet away (in clear weather). Clip it on your belt, wear it with the supplied armband, or secure it on your bicycle with the supplied mounting bracket.

To power the personal safety light, you need two AAA batteries. For the best performance, we recommend alkaline batteries, such as RadioShack Cat. No. 23-555.

Use a flat-blade screwdriver to carefully pry open the compartment cover. Insert the batteries into the compartment, as indicated by the polarity symbols marked inside. Close the cover.

Illust.

To turn on the light, press the yellow button on the back of the belt clip. The light flashes. To make it light steadily, press the button again. Press it a third time to turn off the light.

*illus of yellow
button loca-
tion*

Securing the Light to a Bicycle

If your bicycle has a metal strap below its saddle, you can use the supplied mounting bracket to mount the safety light to your bicycle.

*illus of bracket
mounted on bicy-
cle*

1. Use the light's belt clip to attach it to the mounting bracket.
2. Remove the bolt and nut from the metal strap below the bicycle's saddle.
3. Align the hole in the mounting bracket's tongue between the two holes in the metal strap.
4. Thread the bolt you removed in Step 2 through the three holes and replace the nut.
5. Position the mounting bracket so the light is level with the ground and tighten the nut.

MAINTENANCE

Your Optimus SCP-100 AM/FM Stereo Cassette Player is an example of superior design and craftsmanship. The following suggestions will help you care for the SCP-100 so you can enjoy it for years.

- Keep the SCP-100 dry. If it gets wet, wipe it dry immediately.
- Use and store the SCP-100 only in normal temperature environments.
- Handle the SCP-100 gently and carefully. Don't drop it.
- Keep the SCP-100 away from dust and dirt.
- Occasionally wipe the SCP-100 with a damp cloth to keep it looking new.

Modifying or tampering with the SCP-100's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your SCP-100 is not performing as it should, take it to your local RadioShack store for assistance.

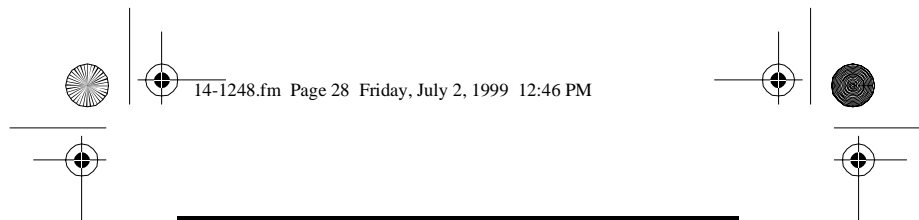
CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape head and other parts that the tape touches. This can reduce the SCP-100's performance.

Follow these steps to clean the tape-handling parts after about every 20 hours of tape player operation.

1. Open the cassette compartment latch and door.
2. Remove the batteries and disconnect any other power source.
3. Press **PLAY** to expose the tape-handling parts.

Illust.

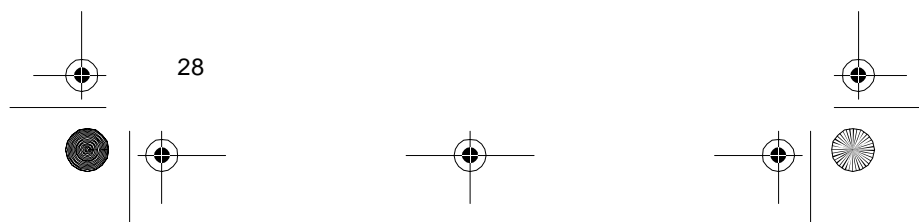


4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the playback head, pinch roller, capstan and tape guide.

Illust.

5. When you finish cleaning, press **STOP**, reinstall batteries (if necessary), and close the cassette compartment door and latch.

Note: Your local RadioShack store sells a complete line of cassette player cleaning supplies.



FCC INFORMATION

Your SCP-100 might cause TV or radio interference even when it is operating properly. To determine whether your SCP-100 is causing the interference, turn off your SCP-100. If the interference goes away, your SCP-100 is causing it. Try to eliminate the interference by:

- Moving your SCP-100 away from the receiver
- Connecting your SCP-100 to an outlet that is on a different electrical circuit from the receiver
- Contacting your local RadioShack store for help

SPECIFICATIONS

GENERAL

Power Requirements 3 Volts DC
Two AA Batteries (Cat. No. 23-557),
Two AAA Batteries (Cat. No. 23-555),
3-Volt AC Adapter (Cat. No. 273-1654), or
3-Volt DC Adapter (Cat. No. 270-1560)

Dimensions $3\frac{5}{8} \times 5 \times 1\frac{11}{16}$ Inches
(93 × 127 × 43 mm)

Weight (Without Batteries) 9 oz
(255 g)

RADIO

Frequency Range FM 88–108 MHz
AM 530–1710 kHz

CASSETTE PLAYER

Tape System 4-Track, Stereo
Tape Speed $1\frac{7}{8}$ Inches per Second
Wow and Flutter 0.35%

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless oth-

erwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack.

(Continued) New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

We Service What We Sell

3/97

RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102

6A8

Printed in Hong Kong